

# HOBART®

HOBART BROTHERS CO.  
TROY, OHIO USA

## Champion® *ELITE*

All-in-One 11,000-Watt AC Generator and DC Welder



243759  
Oct. 2013



#500562

**5/3/1**  
**INDUSTRIAL**  
**WARRANTY**

Combining an 11,000-watt generator with a 225-amp DC welder, the Champion *ELITE* is ideal for farm, general construction, and emergency power applications. This unit is designed for Stick welding with quick and easy arc starts. It also performs general scratch-start DC TIG. The unit is capable of producing power while welding so your partner doesn't have to wait to start on the next task. The engine is warranted separately by the engine manufacturer.

### Applications:

- Maintenance
- Repair
- Farm/Ranch Applications
- Fabrication
- Structural Steel Work
- Use as a Stand-Alone Generator

### Features

### Benefits

<b>All-in-one 11,000-watt generator and 225-amp welder</b>	You get a generator <i>and</i> welder for about what you would pay for just a generator!
<b>Innovative Hobart technology</b>	Smooth arc starts with minimal "sticking." Extraordinary motor starting characteristics. Strong continuous rating to run compressors, pumps, lights, hand tools and other equipment.
<b>Heavy-duty construction</b>	Provides stamina and long dependable service. Enclosed design, large battery, rugged electrical connections and wiring, and circuit-breaker protection.
<b>Lightweight and compact design</b>	Just over 3 ft. long and weighs less than competitive units.
<b>Modern OHV Kohler engine</b>	Has a 12-gallon fuel tank and low oil pressure shutdown as standard features. Dependable engine conserves fuel and provides long operation before refueling.
<b>A "no tools" oil change and digital hour meter</b>	Help maintain scheduled routine oil servicing (every 100 hours) and other preventative maintenance.
<b>Quick-set current control</b>	Easy to set up and start welding.
<b>Smooth DC weld output</b>	Primarily designed for the Stick process, the Champion <i>ELITE</i> also provides a smooth arc for scratch start DC TIG welding.

### Specifications (SUBJECT TO CHANGE WITHOUT NOTICE.)



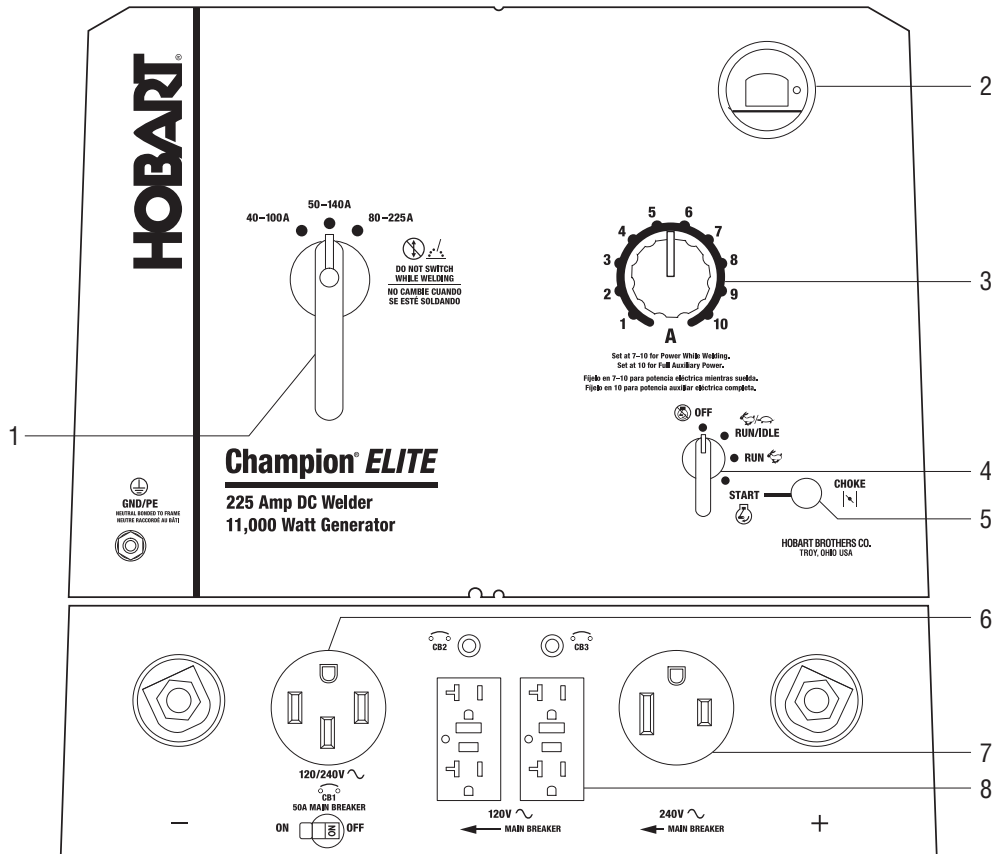
Rated Welding Output* at 100% Duty Cycle (at 104° F/40° C)	Max. Open-Circuit Voltage	Amperage Range	Auxiliary Power	Dimensions	Net Weight
225 A at 25 V	80 VDC	40–225 amps	11,000 watts peak; 120/240 VAC, 60 Hz, 9,500 watts continuous	H: 28 in. (711 mm) W: 20 in. (508 mm) D: 41 in. (1041 mm)	490 lb. (222 kg)

### Engine Specifications (SUBJECT TO CHANGE WITHOUT NOTICE.)

Engine Brand	Horsepower (HP)	Type	Weld Speed	Idle Speed	Fuel Capacity	Oil Capacity/Change
Kohler #500562	23 HP at 3600 RPM (3-year mfg. warranty)	Twin-cylinder, 4-cycle, overhead-valve, industrial, air-cooled, gasoline engine	3600 RPM	2400 RPM	12 gallons	1.5 qt. (1.4 L) every 100 hours

\*Rated output decreases approximately 3.5% per 1000 ft. (305 m) above sea level. The rated output of any engine-driven welder/generator decreases as temperatures rise. The ratings for the Champion *ELITE* were taken at high temperatures, only after the machine reached operating temperature. Even in hot weather the Champion *ELITE* has the vigor to let you finish the job.

Certified by Canadian Standards Association to both the Canadian and U.S. Standards.



1. Coarse Range Control. Easy to set up for welding.
2. Digital Engine Hour Meter. Combined with the Fastex “no tools” oil change feature, routine service is easily monitored and performed.
3. Fine Adjust Control. Easy to fine tune the amperage with a coarse range. Set control above 7 for best power while welding and to 10 for generator-only use.
4. Engine Control Switch allows for engine speed selection. In Run/Idle position, engine runs at idle speed at no load, and weld/power speed under load.
5. Engine Choke Control. Use control to change engine air/fuel mix.

*Note: Protective covers for bottom portion of panel are not shown.*

6. 120/240 Volt Receptacle. This versatile, 50-amp circuit-breaker-protected receptacle (NEMA 14-50R) can supply up to 11,000 watts of 240-volt power or, up to 11,000 watts of 120-volt power through two separate 120-volt circuits.
7. 240 Volt Receptacle. This handy, 50-amp circuit-breaker-protected receptacle (NEMA 6-50R), can be used to directly plug in your 240-volt Hobart equipment.
8. 120 Volt GFCI Receptacles. Protected by two 20-amp circuit breakers.

## Performance Data

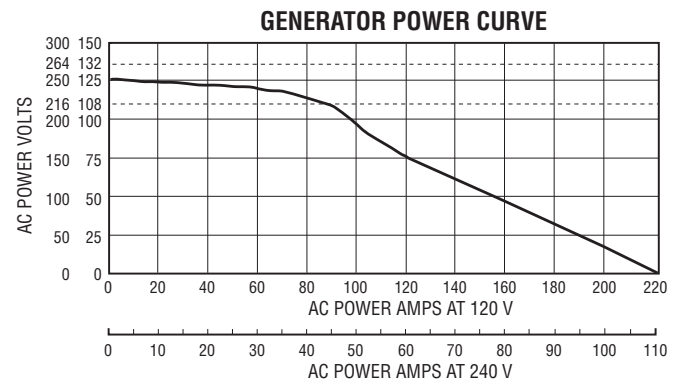
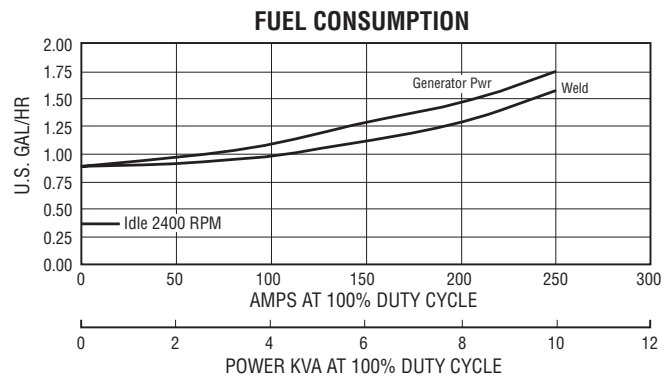
### Fuel Consumption Data

The Champion® *ELITE* offers a modern, fuel efficient engine from Kohler. With the OHV design, automatic idle and 12 gallon fuel tank, you can expect to put in long hours before having to stop and refuel. For example:

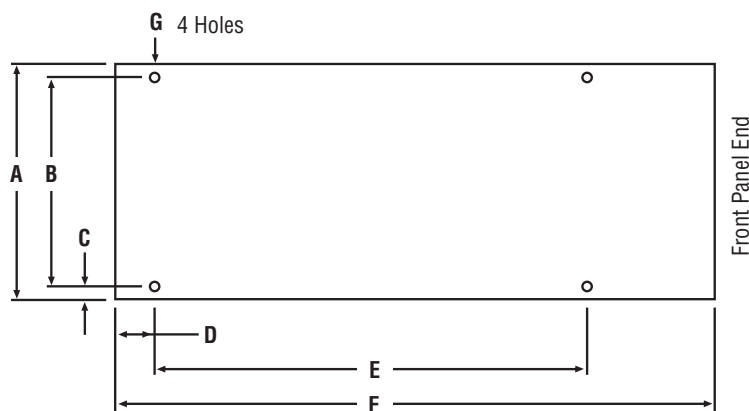
- Welding at 150 amps, 40% duty cycle, uses about 3/4 gal. of fuel every hour.
- While not welding, the engine drops to idle speed using about 1/3 gal. of fuel every hour.
- On a typical job using 1/8-in. 7018 electrodes (125 amps, 20% duty cycle) you can expect over 20 hours of operation.
- Under a continuous load of 4,000 watts of auxiliary power, the Champion *ELITE* would run for about 14 hours.

### Typical Power Requirements for Farm, Home and Contractor Equipment

Equipment	Rating	Starting Watts	Running Watts	Equipment	Rating	Starting Watts	Running Watts
Portable Conveyor	1/2 HP	3400	1000	Band Saw	14 in.	2500	1100
Farm-Duty Motors Std., (e.g. Conveyors, Feed Augers, Air Compressors)	1/3 HP 1-1/2 HP	1720 8200	720 2200	Air Compressor	1-1/2 HP	8200	2200
Washer 2 gal./min. 2 gal./min.	550 PSI 700 PSI	4500 6100	1400 1600	Electric Chain Saw	2 HP, 14 in.	1100	1100
Refrigerator or Freezer	1/3 HP	2150	750	Flood Lights	HID Metal Halide Mercury Vapor	125 313 1000 1250	100 250 — 1000
Sump Pump	1/2 HP	3200	1050	Submersible Pump	400 gph	600	200
Hand Drill	1/2 in.	600	600	Centrifugal Pump	900 gph	900	500
Circular Saw	8-1/4 in.	1400	1400	High Pressure Washer	1 HP	6100	1600
Table Saw	10 in.	6300	1800	Wet & Dry Vac	1.7 HP	900	900



## Mounting Specifications



- A. 20 in. (508 mm)
- B. 16-9/16 in. (421 mm)
- C. 1-3/4 in. (44 mm)
- D. 5-1/8 in. (130 mm)
- E. 22-5/16 in. (567 mm)
- F. 39-3/4 in. (1010 mm)
- G. 13/32 in. (10 mm) Diameter

## Accessories



### Protective Cover #770748

Waterproof cover resists stains and mildew, and protects the finish of your welder. Includes heavy-duty grommets for highway travel tie-downs. Fits welder with or without the handle/wheel kit installed.

*Note: Protective Cover fits current Champion® ELITE model #550562 and #500557. Use cover #770619 for previous model #500544.*



### Running Gear #300997

Consists of two heavy-duty 13 in. wheels with inner tubes and welded hubs, two 6 in. swivel casters, and a heavy-duty ergonomic handle that makes it easier to move the Champion® ELITE around the job site.

*Note: Running Gear fits current Champion® ELITE model #550562 and #500557. Use Running Gear #300396 for previous model #500544.*

### No. 2 Stick Cable Set, 50 ft. #195195

Consists of 50 ft. (15.2 m) No. 2 electrode cable with holder, and 50 ft. (15.2 m) work cable with clamp. 200 A, 100% duty cycle.

### No. 4 Stick Cable Set, 20/15 ft. #193067

Consists of 20 ft. (6.1 m) No. 4 electrode cable with holder, and 15 ft. (4.6 m) work cable with clamp. 125 A, 100% duty cycle.

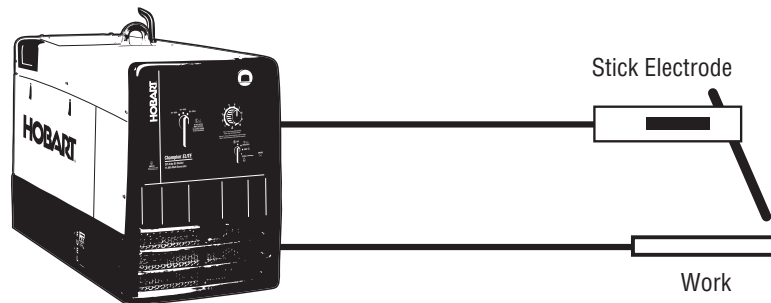
### Spark Arrestor #043579 Field

Mandatory when operating on California grasslands, brush, or forest-covered land, and all National Forests. For other areas, check your state and local laws.

### Full KVA Plug Kit #119172 Field

240 VAC, 50-amp plug (NEMA 14-50P) to fit full KVA receptacle.

## Typical Installation



**Hobart Welders** An Illinois Tool Works Company

Hobart Welding Products Service 800-332-3281 Sales 800-626-9420

Litho in USA

hobartwelders.com

